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List of Publications by Year in descending order

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38 papers	1,029 citations	516710 16 h-index	414414 32 g-index
39 all docs	39 docs citations	39 times ranked	1207 citing authors

#	Article	IF	Citations
1	An open-access database and analysis tool for perovskite solar cells based on the FAIR data principles. Nature Energy, 2022, 7, 107-115.	39.5	136
2	Ionic Liquid Stabilizing Highâ€Efficiency Tin Halide Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101539.	19.5	117
3	Tin Halide Perovskite (ASnX₃) Solar Cells: A Comprehensive Guide toward the Highest Power Conversion Efficiency. Advanced Energy Materials, 2020, 10, 1902467.	19.5	114
4	Origin of Sn(<scp>ii</scp>) oxidation in tin halide perovskites. Materials Advances, 2020, 1, 1066-1070.	5.4	106
5	Solvents for Processing Stable Tin Halide Perovskites. ACS Energy Letters, 2021, 6, 959-968.	17.4	76
6	Fluoride Chemistry in Tin Halide Perovskites. Angewandte Chemie - International Edition, 2021, 60, 21583-21591.	13.8	68
7	Double percolation of multiwalled carbon nanotubes in polystyrene/polylactic acid blends. Polymer, 2016, 99, 193-203.	3.8	53
8	Tethered Pyro-Electrohydrodynamic Spinning for Patterning Well-Ordered Structures at Micro- and Nanoscale. Chemistry of Materials, 2014, 26, 3357-3360.	6.7	50
9	Direct Writing of Microfluidic Footpaths by Pyro-EHD Printing. ACS Applied Materials & Interfaces, 2017, 9, 16488-16494.	8.0	47
10	Hybrid ferroelectricâ€“polymer microfluidic device for dielectrophoretic self-assembling of nanoparticles. RSC Advances, 2014, 4, 2851-2857.	3.6	29
11	Temperature dependent two-photon photoluminescence of CH₃NH₃PbBr₃: structural phase and exciton to free carrier transition. Optical Materials Express, 2018, 8, 511.	3.0	26
12	Environmental lead exposure from halide perovskites in solar cells. Trends in Ecology and Evolution, 2022, 37, 281-283.	8.7	26
13	Electrohydrodynamic Assembly of Multiscale PDMS Microlens Arrays. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 399-406.	2.9	21
14	Perovskite Singleâ€Crystal Solar Cells: Advances and Challenges. Solar Rrl, 2022, 6, .	5.8	19
15	Pros and cons of melt annealing on the properties ofÂMWCNT/polypropylene composites. Polymer Degradation and Stability, 2014, 110, 56-64.	5.8	18
16	Layered 3D Printing by Tethered Pyro-Electrospinning. Advances in Polymer Technology, 2020, 2020, 1-9.	1.7	18
17	Quick liquid packaging: Encasing water silhouettes by three-dimensional polymer membranes. Science Advances, 2019, 5, eaat5189.	10.3	14
18	Patterning of perovskiteâ€“polymer films by wrinkling instabilities. Soft Matter, 2017, 13, 1654-1659.	2.7	12

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19	Direct self-assembling and patterning of semiconductor quantum dots on transferable elastomer layer. Applied Surface Science, 2017, 399, 160-166.	6.1	11
20	On the Spraying Modality of Liquids by Pyroelectrohydrodynamics. ACS Omega, 2018, 3, 17707-17716.	3.5	10
21	Pyroelectric Tweezers for Handling Liquid Unit Volumes. Advanced Intelligent Systems, 2020, 2, 2000044.	6.1	9
22	Energy Distribution in Tin Halide Perovskite. Solar Rrl, 2022, 6, 2100825.	5.8	8
23	Twofold Self-Assembling of Nanocrystals Into Nanocomposite Polymer. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 1-7.	2.9	7
24	One-step fabrication of free-standing flexible membranes reinforced with self-assembled arrays of carbon nanotubes. Applied Physics Letters, 2014, 105, 153101.	3.3	6
25	On the Complex and Reversible Pathways of CdSe Quantum Dots Driven by Pyroelectric-Dielectrophoresis. Langmuir, 2018, 34, 2198-2204.	3.5	6
26	Single fibres of pyro-electrospinned PVDF-HFP/MWCNT unveal high electrical conductivity. Polymer, 2018, 159, 157-161.	3.8	5
27	Fluoridchemie in Zinnâ€Halogenidâ€Perowskiten. Angewandte Chemie, 2021, 133, 21753-21762.	2.0	5
28	Transmitting Light Through Biocompatible and Biodegradable Drug Delivery Micro Needles. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	2.9	5
29	From electrohydrodynamic instabilities of liquids to the high-resolution ink-jet printing through pyroelectric driving power. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2018, 17, 1.	0.9	2
30	Epoxy elastomers reinforced with functionalized multi-walled carbon nanotubes as stimuli-responsive shape memory materials. , 2014, , .		1
31	Polymer nanocomposites: functionalisation of the nanofiller and control of the interface. Advances in Materials and Processing Technologies, 2015, 1, 423-434.	1.4	1
32	Direct fabrication of polymer micro-lens array. Proceedings of SPIE, 2017, , .	0.8	1
33	Influence of melt annealing on rheological and electrical properties of compatibilized multiwalled carbon nanotubes in polypropylene. , 2014, , .		0
34	Polymer self-assembling of light converting microlenses arrays. , 2014, , .		0
35	Pyro-EHD 3D printing at microscale. , 2017, , .		0
36	Advanced technology for the fabrication of optical microstructures and their interferometric characterization. , 2021, , .		0

#	Article	IF	Citations
37	InnenrÃ¼cktitelbild: Fluoridchemie in Zinnâ€Halogenidâ€Perowskiten (Angew. Chem. 39/2021). Angewandte Chemie, 2021, 133, 21763-21763.	2.0	0
38	Self-assembling of functionalized micro-optical element driven by pyro-electrohydrodynamic forces. , 2018, , .		0